

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

☒ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 385.00

Complete if Known

Application Number
Filing Date
First Named Inventor Peter Hayward
Examiner Name
Art Unit
Attorney Docket No. 647P007

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit card ☐ Money Order ☐ Other ☐ None

☒ Deposit Account:

Deposit
Account
Number
Deposit
Account
Name

14-0930

Nields & Lemack

The Director is authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☒ Credit any overpayments

☒ Charge any additional fee(s) or any underpayment of fee(s)

☐ Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1001	770	2001	385	Utility filing fee	385.00
1002	340	2002	170	Design filing fee	
1003	530	2003	265	Plant filing fee	
1004	770	2004	385	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$) 385.00

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

		Extra Claims		Fee from below	Fee Paid
Total Claims	13	-20** =	0	9	0
Independent Claims	3	-3** =	0	43	0
Multiple Dependent				145	0

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
1202	18	2202	9	Claims in excess of 20
1201	86	2201	43	Independent claims in excess of 3
1203	290	2203	145	Multiple dependent claim, if not paid
1204	86	2204	43	** Reissue independent claims over original patent
1205	18	2205	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 0

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
1051	130	2051	65	Surcharge - late filing fee or oath	
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	110	2251	55	Extension for reply within first month	
1252	420	2252	210	Extension for reply within second month	
1253	950	2253	475	Extension for reply within third month	
1254	1,480	2254	740	Extension for reply within fourth month	
1255	2,010	2255	1,005	Extension for reply within fifth month	
1401	330	2401	165	Notice of Appeal	
1402	330	2402	165	Filing a brief in support of an appeal	
1403	290	2403	145	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive - unavoidable	
1453	1,330	2453	665	Petition to revive - unintentional	
1501	1,330	2501	665	Utility issue fee (or reissue)	
1502	480	2502	240	Design issue fee	
1503	640	2503	320	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)	
1808	180	1808	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1809	770	2809	385	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	770	2810	385	For each additional invention to be examined (37 CFR 1.129(b))	
1801	770	2801	385	Request for Continued Examination (RCE)	
1802	900	1802	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$) 0

SUBMITTED BY

Name (Print/Type)

Kevin J. Demack

Registration No.
(Attorney/Agent)

32,579

(Complete if applicable)

Telephone

508-898-1818

Signature

Date

Feb. 20, 2004

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

16569 U.S. PTO
022004

Attorney Docket No. 647P007

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: **Peter Hayward, Richard Higgins, Robert Goldsmith and Bruce Bishop**

For: **HIGH CTE REACTION-BONDED CERAMIC MEMBRANE SUPPORTS**

Commissioner for Patents
P.O. Box 1450
Mail Stop: Patent Application
Alexandria, VA 22313-1450

Sir:

LETTER

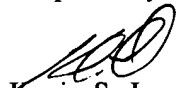
The above-identified applicants enclose for filing a patent application entitled "**HIGH CTE REACTION-BONDED CERAMIC MEMBRANE SUPPORTS**". Said attached patent application includes (1) Utility Patent Application Transmittal Form (1-Page); (2) Patent Application: 33-Page Specification (including 3-Pages of Claims (13) and 1-Page Abstract), (3) Fee transmittal form, together with a check in the amount of \$385.00 in payment of the filing fee.

The executed Declaration and Power of Attorney, with surcharge, will be submitted in due course.

All correspondence concerning this application should be mailed to:

**Kevin S. Lemack
Nields & Lemack
176 E. Main Street - Suite 7
Westboro, Massachusetts 01581**

Respectfully submitted,


**Kevin S. Lemack
Attorney for Applicant
Registration No. 32,579**

Date: February 20, 2004

EXPRESS MAIL NO: ER 247779774 US

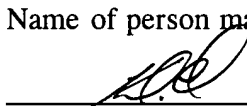
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Peter Hayward et al.
Serial No. : Not yet assigned
Filed : Herewith By Express Mail
For : HIGH CTE REACTION-BONDED CERAMIC MEMBRANE
SUPPORTS
Examiner : Not yet assigned
Art Unit : Not yet assigned
Attorney
Docket No. : 647P007
Type of paper : Letter

"EXPRESS MAIL" MAILING LABEL NO. **ER 247779774 US**
DATE OF DEPOSIT: February 20, 2004

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: Patent Application**, Alexandria, VA 22313-1450.

Kevin S. Lemack
Name of person mailing paper or fee


Signature of person mailing paper or fee

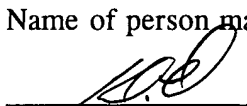
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Peter Hayward et al.
Serial No. : Not yet assigned
Filed : Herewith By Express Mail
For : HIGH CTE REACTION-BONDED CERAMIC MEMBRANE
SUPPORTS
Examiner : Not yet assigned
Art Unit : Not yet assigned
Attorney
Docket No. : 647P007
Type of paper : Utility Patent Application Transmittal Form

"EXPRESS MAIL" MAILING LABEL NO. **ER 247779774 US**
DATE OF DEPOSIT: February 20, 2004

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: Patent Application, Alexandria, VA 22313-1450.

Kevin S. Lemack
Name of person mailing paper or fee


Signature of person mailing paper or fee

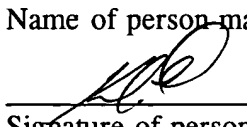
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Peter Hayward et al.
Serial No. : Not yet assigned
Filed : Herewith By Express Mail
For : HIGH CTE REACTION-BONDED CERAMIC MEMBRANE
SUPPORTS
Examiner : Not yet assigned
Art Unit : Not yet assigned
Attorney
Docket No. : 647P007
Type of paper : Patent Application

"EXPRESS MAIL" MAILING LABEL NO. **ER 247779774 US**
DATE OF DEPOSIT: February 20, 2004

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, Mail Stop: Patent Application, Alexandria, VA 22313-1450.

Kevin S. Lemack
Name of person mailing paper or fee


Signature of person mailing paper or fee

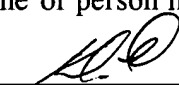
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Peter Hayward et al.
Serial No. : Not yet assigned
Filed : Herewith By Express Mail
For : HIGH CTE REACTION-BONDED CERAMIC MEMBRANE
SUPPORTS
Examiner : Not yet assigned
Art Unit : Not yet assigned
Attorney
Docket No. : 647P007
Type of paper : Fee Transmittal Form, together with a check

"EXPRESS MAIL" MAILING LABEL NO. **ER 247779774 US**
DATE OF DEPOSIT: February 20, 2004

I hereby certify that this patent application is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" Service under 37 CFR 1.10 on the date indicated above and is addressed to: Commissioner for Patents, P.O. Box 1450, **Mail Stop: Patent Application**, Alexandria, VA 22313-1450.

Kevin S. Lemack
Name of person mailing paper or fee


Signature of person mailing paper or fee